<u>IN THE CLAIMS</u>

1. (Currently Amended) An interactive ~~TV~~ <u>television</u> contextual content surfing system comprising:

a) creating apparatus, which creates program content for hyperlinking to other program content;

b) ~~Broadcast~~ <u>broadcast</u> apparatus which broadcast interactive ~~TV~~ <u>television</u> program content with hyperlinks to other content;

c) receiver apparatus which receives and processes the interactive ~~TV~~ <u>television</u> program content with hyperlinks for display to a viewer; and

d) enabling apparatus, which enables a viewer to hyperlink from a program being viewed to a related program <u>selected by the system based on a profile of the viewer and a program classification category selected by the system from a plurality of classification categories for the program being viewed</u>.

2. (Currently Amended) The system of Claim 1 ~~further~~ wherein the enabling apparatus enables the viewer to hyperlink from a scheduled or recorded program to a related program.

3. (Currently Amended) The system of Claim 1 ~~further~~ wherein the enabling apparatus enables the viewer to hyperlink to a recording dialog when a related program may be in progress, previously recorded or scheduled or broadcast in the future.

4. (Currently Amended) The system of Claim 1 further comprising:

g) broadcast apparatus which transmits audio/video program content and program classification, together or in separate channels to the receiver; and

h) control apparatus, which enables the viewer to interact with the program content and the program classification.

5. (Currently Amended) The system of Claim 1 further comprising:

i) control apparatus at the receiver which groups program content by deduction based on the profile of the viewer comprising viewer ~~TV~~ television habits or information provided by the viewer.

6. (Currently Amended) The system of Claim 1 further comprising:

J) receiver apparatus which ~~providesalternative~~ provides alternative hyperlinking of program content.

7. (Currently Amended) An interactive ~~TV~~ television contextual content surfing system using inter-channel hyperlinking, comprising:

(a) a content creation station generating and transmitting interactive program information and classification information in a data streaming format;

(b) a ~~TV~~ television broadcast station for receiving the streaming data;

(c) a broadcast server for processing classification categories in the streaming data and hyperlinking program information in related categories;

(d) a network coupled to the ~~TV~~ television broadcast station for transmitting in separate channels the ~~TV~~ television program information and classification information to a local ~~TV~~ television station for retransmission to ~~TV~~ television devices equipped with set-top boxes or directly transmitting the program information directly to the set-top boxes; and

e) viewer means including an interface enabling a viewer to view a program in a classification category and using a hyperlink to switch to a new program related to the one being viewed that is selected by the system based on a profile of the viewer and a program classification category selected by the system from a plurality of classification categories fro the program being viewed.

8. (Currently Amended) The system of Claim 7 further comprising:

(f) storing apparatus included in the broadcast server and stores a dynamic table of correspondence between ~~TV~~ television program categories and ~~TV~~ television channel numbers.

9. (Currently Amended) The system of Claim 7 further comprising:

(g) server apparatus which creates a hyperlink list of channels that are broadcasting the same nature of programs by referencing the correspondence table.

10. (Currently Amended) The system of Claim 7 further comprising:

(h) server apparatus which transmits the hyperlink information to the set-top box on a separate channel.

11. (Currently Amended) The system of Claim 7 further comprising:

(i) set-top box apparatus which stores ~~TV~~ television broadcasts by categories of programs in a first classification table.

12. (Currently Amended) The system of Claim 7 further comprising:

(j) set-top box apparatus which stores categories of program in a ~~TV~~ television program guide in a second classification table.

13. (Currently Amended) The system of Claim 7 further comprising:

k) local storing apparatus in the set-top box which stores recorded programs and classifies categories of programs in a third classification table.

14. (Currently Amended) A method for interactive ~~TV~~ television contextual content surfing using inter-channel hyperlink, comprising the steps of:

a) creating program content including a description of at least one of program type, ~~producers,~~ producers and players, ~~etc.,~~ for classification purposes;

b) transmitting the program content in a streaming data format to a broadcast station and a broadcast server;

c) generating a correspondence table between ~~TV~~ television program categories and ~~TV~~ television channel numbers in the broadcast server;

d) creating a hyperlink information of channels that are broadcasting the same nature of programs by referencing the correspondence table;

e) broadcasting the hyperlink information to the list of channels in the correspondence table;

f) transmitting the broadcast program information to a ~~TV~~ <u>television</u> device including a set-top box via a first channel;

g) transmitting the hyperlinking information to the set-top box via a second channel; ~~and~~

h) processing the broadcast hyperlinking information by the set-top box for display on a ~~TV~~ <u>television</u> ~~screen.~~ <u>screen; and</u>

<u>hyperlinking from a program being viewed to a related program selected by the system based on a profile of the viewer and a program classification category selected by the system form a plurality of classification categories for the program being viewed.</u>

15. (Canceled)

16. (Currently Amended) The method of Claim 14 further comprising the step of

j) creating a hyperlink list of channels that are broadcasting the same nature of programs by referencing the correspondence table.

17. (Currently Amended) The method of Claim 14 further comprising the step of

k) storing a dynamic table of correspondence between ~~TV~~ <u>television</u> program categories and ~~TV~~ <u>television</u> channel numbers.

18. (Currently Amended) The method of Claim 14 further comprising the step of:

l) storing recorded programs in a local storage and classifying categories of programs in local storage in a third classification table.

19. (Currently Amended) The method of Claim 14 further comprising the step of:

m) storing ~~TV~~ <u>television</u> broadcasts by categories of programs in a first classification table including a ~~TV~~ <u>television</u> program guide in the set-top box.

20. (Currently Amended) The method of Claim 14 further comprising the step of:

n) transmitting in separate channels ~~the TV~~ <u>television</u> program information and classification information to a local ~~TV~~ <u>television</u> station for retransmission to ~~TV~~ <u>television</u> devices equipped with set-top boxes or directly transmitting the program information directly to the set-top boxes.

21. (Currently Amended) The method of Claim 14 further comprising the step of:

o) generating and transmitting interactive program information and classification information in a data-streaming format.

22. (Currently Amended) A program medium, executable in a computer system for interactive ~~TV~~ <u>television</u> contextual content surfing using inter-channel hyperlink, comprising:

a) program instructions in the medium which creates program content including a description of <u>at least one of</u> program type, ~~producers,~~ <u>producers and</u> players, ~~etc.,~~ for classification purposes;

b) program instructions in the medium which transmit the program content in a streaming data format to a broadcast station and a broadcast server;

c) program instructions in the medium which generates a correspondence table between ~~TV~~ <u>television</u> program categories and ~~TV~~ <u>television</u> channel numbers in the broadcast server;

d) program instructions in the medium, which creates a hyperlink information of channels that are broadcasting the same nature of programs by referencing the correspondence table;

e) program instructions in the medium, which broadcasts the hyperlink information to the list of channels in the correspondence table;

f) program instructions in the medium, which transmits the broadcast, program information to a ~~TV~~ <u>television</u> device including a set-top box via a first channel;

g) program instructions in the medium which transmits the hyperlinking information to the set-top box via a second channel; ~~and~~

h) program instructions in the medium which processes the broadcast hyperlinking information by the set-top box for display on a ~~TV~~ television ~~screen.~~ and;

hyperlinking from a program being viewed to a related program selected by the system based on a profile of the viewer and a program classification category selected by the system form a plurality of classification categories for the program being viewed.

23. (Canceled)

24. (Currently Amended) The program medium of Claim 22 further comprising:

j) creating a hyperlink list of channels that are broadcasting the same nature of programs by referencing the correspondence table.

25. (Currently Amended) The program medium of Claim 22 further comprising:

k) storing a dynamic table of correspondence between ~~TV~~ television program categories and ~~TV~~ television channel numbers.

26. (Currently Amended) The program medium of Claim 22 further comprising:

l) storing recorded programs in a local storage and classifying categories of programs in local storage in a third classification table.

27. (Currently Amended) A program medium, executable in an interactive ~~TV~~ television computer system for contextual content surfing, comprising:

a) program instructions which create program content for hyperlinking to other program content;

b) program instructions which broadcast interactive ~~TV~~ television program content with hyperlinks to other content;

c) program instructions which receives and processes the interactive ~~TV~~ television program content with hyperlinks for display to a viewer; and

d) program instructions, which enables the viewer to hyperlink from a program being viewed to a related program <u>selected by the system based on a profile of the viewer and a program classification category selected by the system from a plurality of classification categories for the program being viewed</u>.

28. (Currently Amended) The program medium of Claim 27 further comprising:

e) program instructions, which enables a viewer to hyperlink from a scheduled or recorded program to a related program.

29. (Currently Amended) The program medium of Claim 27 further comprising:

f) program instructions which enables a viewer to hyperlink to a recording dialog when a related program may be in progress, previously recorded or scheduled or broadcast in the future.

30. (Currently Amended) The program medium of Claim 27 further comprising:

g) program instructions which broadcasts audio/video program content and program classification, together or in separate channels to the receiver; and

h) program instructions, which enables the viewer to interact with the program content and the program classification.

31. (Currently Amended) The program medium of Claim 27 further comprising:

i) program instructions which groups program content at the receiver by deduction based on <u>the profile of the viewer comprising</u> viewer ~~TV~~ <u>television</u> habits or information provided by the viewer.

32. (Currently Amended) The program medium of Claim 27 further comprising:

j) program instructions, which provides alternative hyperlinking of program content.

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33. (Currently Amended) A method for contextual content surfing in an interactive ~~TV~~ television computer system, comprising the steps of:

~~a)~~ creating program content for hyperlinking to other program content;

~~b)~~ broadcasting interactive ~~TV~~ television program content with hyperlinks to other content;

~~c)~~ receiving and processing the interactive ~~TV~~ television program content with hyperlinks for display to a viewer; and

~~d)~~ enabling the viewer to hyperlink from a program being viewed to a related program selected by the system based on a profile of the viewer and a program classification category selected by the system from a plurality of classification categories for the program being viewed..

34. (Currently Amended) The method of Claim 33 further comprising the step of:

~~e)~~ enabling a viewer to hyperlink from a scheduled or recorded program to a related program.

35. (Currently Amended) The method of Claim 33 further comprising the step of:

~~f)~~ enabling a viewer to hyperlink to a recording dialog when a related program may be in progress, previously recorded or scheduled or broadcast in the future.

36. (Currently Amended) The method of Claim 33 further comprising the step of:

~~g)~~ broadcasting audio/video program content and program classification, together or in separate channels to the receiver; and

~~h)~~ interacting with the program content and the program classification.

37. (Currently Amended) The method of Claim 33 further comprising the step of:

~~i)~~ grouping program content at the receiver by deduction based on viewer ~~TV~~ television habits or information provided by the viewer.

38. (Currently Amended) The method of Claim 33 further comprising the step of:

~~j)~~ providing alternative hyperlinking of program content.

39. (Currently Amended) A broadcast server in a ~~TV~~ <u>television</u> system, comprising:.

a) a correspondence table storing means for a dynamic table of correspondence between ~~TV~~ <u>television</u> program categories and ~~TV~~ <u>television</u> ~~channels number~~ <u>channel numbers;</u>

b) creation means for hyperlinking information which contains a list of channels broadcasting the same nature of program by referencing the correspondence table, and

c) transmitting means for the hyperlinking information to ~~TV~~ <u>television</u> devices whereby upon successfully processing the broadcast hyperlinking information for display on a ~~TV~~ <u>television</u> screen a viewer surfs among the channels specified in the hyperlinking information <u>as selected by the system based on a profile of the viewer and a program classification category selected by the system from a plurality of classification categories for the program being viewed</u>..

40. (Currently Amended) A method for surfing hyperlinked information in a ~~TV~~ <u>television</u> system, comprising the steps of:

a) forming dynamic correspondence information of ~~TV~~ <u>television</u> program categories and ~~TV~~ <u>television</u> channels number;

b) creating hyperlinking information which contains a list of channels broadcasting the same nature of program by referencing the correspondence table, and

c) transmitting the hyperlinking information to ~~TV~~ <u>television</u> devices whereby upon successfully processing the broadcast hyperlinking information for display on a ~~TV~~ <u>television</u> screen a viewer surfs among the channels specified in the hyperlinking information <u>as selected by the system based on a profile of the viewer and a program classification category selected by the system from a plurality of classification categories for the program being viewed</u>.

41. (Currently Amended) A receiver for surfing hyperlinked information in a ~~TV~~ <u>television</u> system, comprising:

a) storing apparatus, which receives program content including hyperlinks and related channels;

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b) classification information in the storing apparatus which relates program content related to related channels; and

e) control apparatus, which enables a viewer to access the classification information and surf among related channels <u>as selected by the system based on a profile of the viewer and a program classification category selected by the system from a plurality of classification categories for the program being viewed</u>.

42. (Currently Amended) A method for surfing hyperlinked information in a ~~TV~~ <u>television</u> receiver, comprising the steps of:

a) receiving program content including hyperlinks;

b) ~~classifying~~ <u>classifying</u> received program content in tables according to the same content; and

e) enabling a viewer to access the tables and surf among the related content <u>as selected by the system based on a profile of the viewer and a program classification category selected by the system from a plurality of classification categories for the program being viewed</u>.

43. (Currently Amended) A broadcast server in a ~~TV~~ <u>television</u> system, comprising:.

a) correspondence information between ~~TV~~ <u>television</u> program categories and ~~TV~~ <u>television</u> ~~channels number~~ <u>channel numbers</u>;

b) creation apparatus which creates hyperlinking information of channels broadcasting the same nature of program categories by referencing the correspondence information, and

c) transmitting apparatus which transmits the hyperlinking information to ~~TV~~ <u>television</u> devices whereby upon successfully processing the broadcast hyperlinking information for display on a ~~TV~~ <u>television</u> screen, a viewer surfs among the channels specified in the hyperlinking information <u>as selected by the system based on a profile of the viewer and a program classification category selected by the system from a plurality of classification categories for the program being viewed</u>.

44. (Currently Amended) A receiver for surfing hyperlinked information in a ~~TV~~ <u>television</u> system, comprising:

a) storing apparatus, which receives program content including hyperlinks and related channels;

b) classification information of program content related to the same channels; and

c) control apparatus, which enables a viewer to access the classification information and surf among related channels <u>as selected by the system based on a profile of the viewer and a program classification category selected by the system from a plurality of classification categories for the program being viewed</u>.